

Survey

MMTF 2018 Workshop and
Hackathon

Application of Big Data Technology
and 3D Visualization

San Diego Supercomputer Center
UC San Diego, May 7-9, 2018

MMTF 2018 Workshop and Hackathon

- Workshop

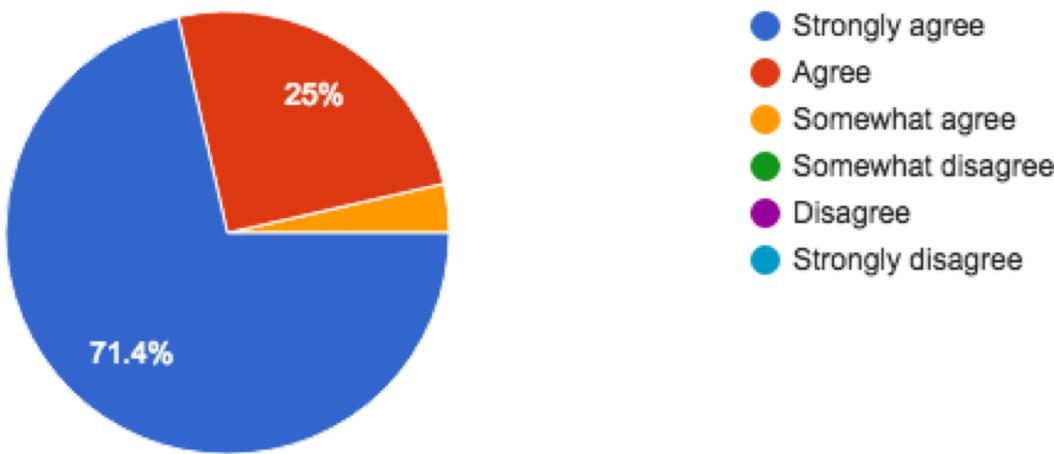
<https://github.com/sbl-sdsc/mmtf-workshop-2018>

- Hackathon

<https://github.com/sbl-sdsc/mmtf-hackathon-2018>

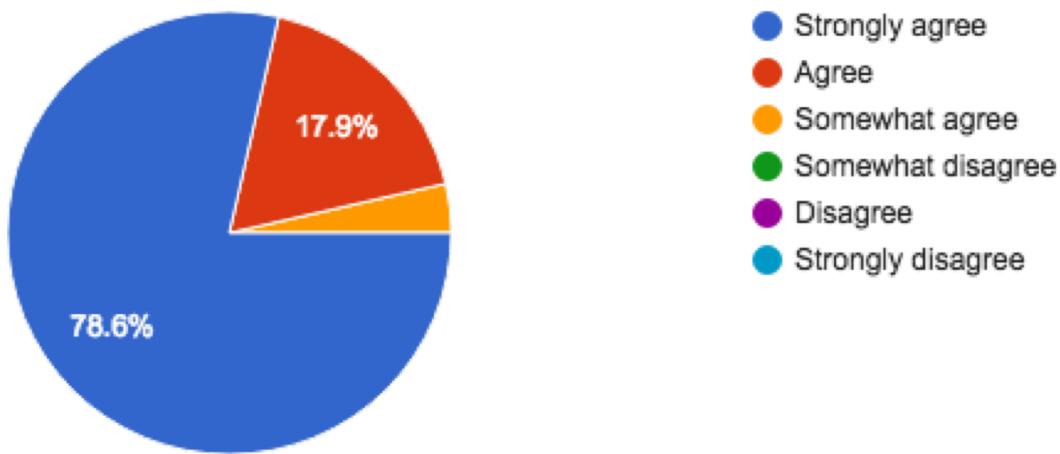
I worked on topics, tools, or methods that were new to me

28 responses



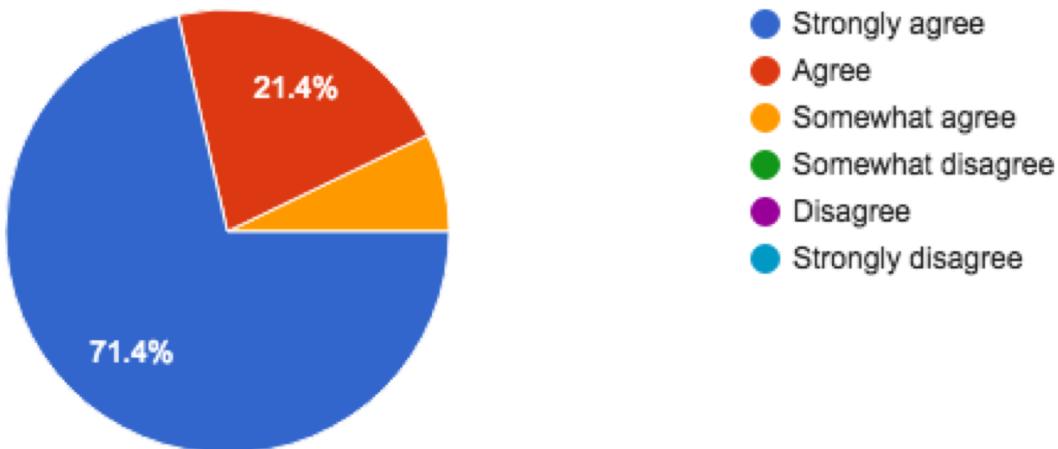
I feel like I learned new skills and technologies to improve my research

28 responses



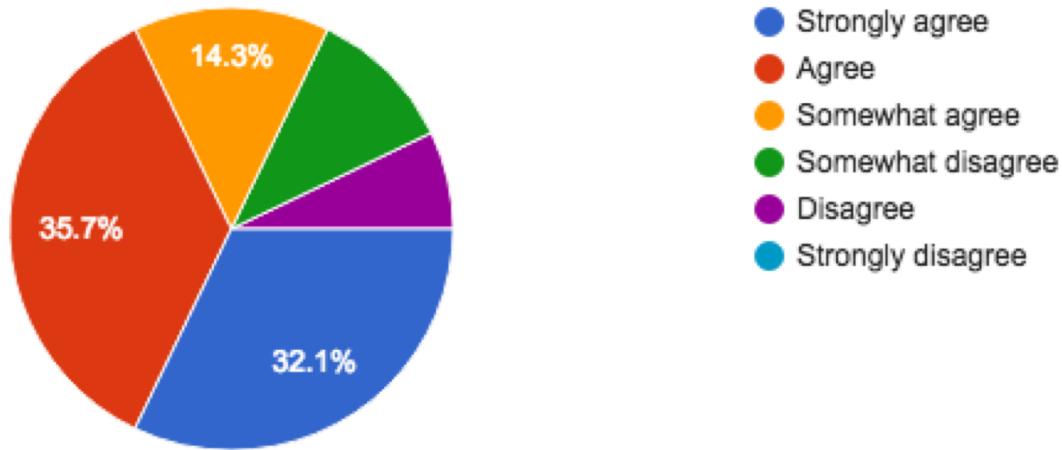
I believe that the workshop & hackathon helped me to be a better scientist

28 responses



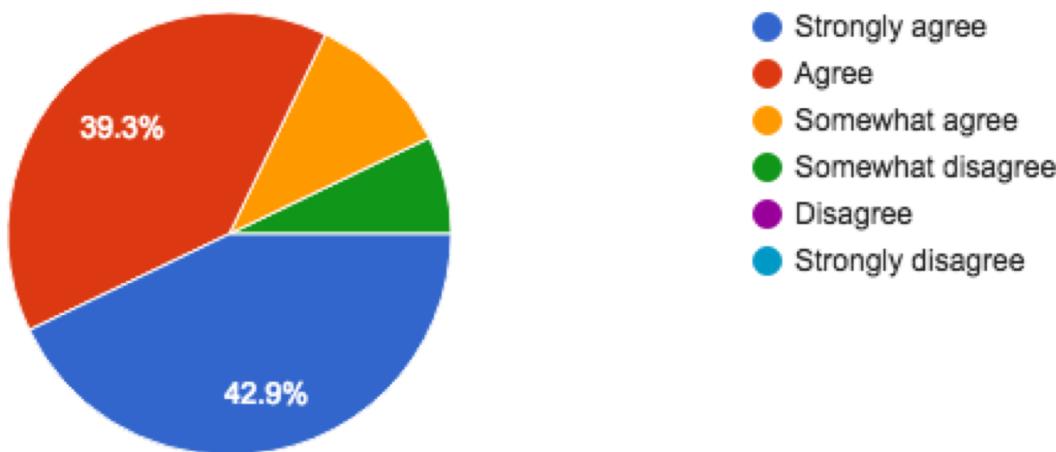
I ended up teaching things to other people

28 responses



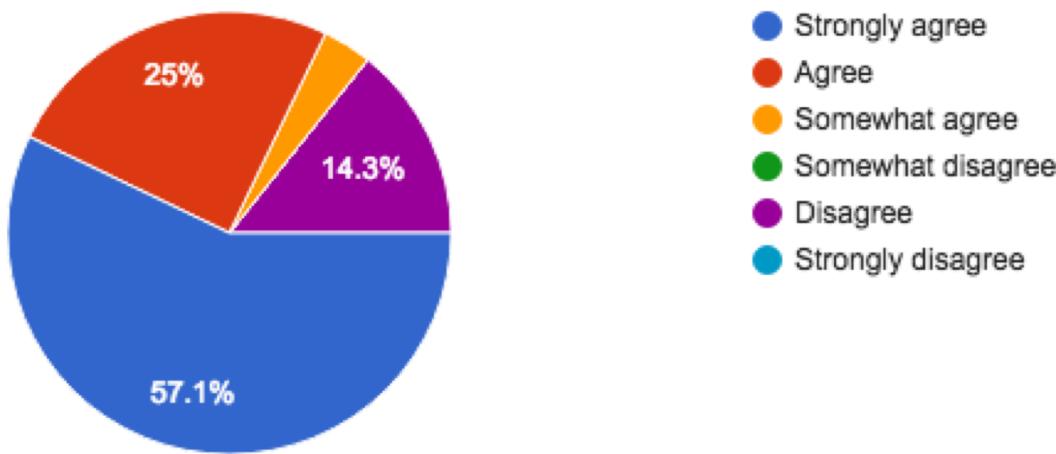
I feel like I built valuable connections at the workshop & hackathon

28 responses



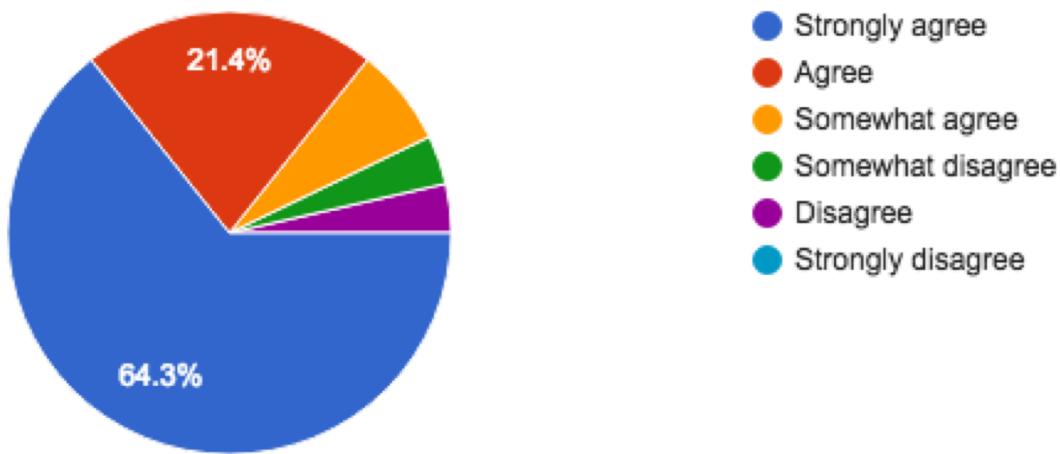
I or my team put code created during the hackathon up on GitHub

28 responses



I feel like the hackathon has made me comfortable with doing open science

28 responses



What did you like about the workshop & hackathon?

23 responses

The open structure and tutorials

Hands on format, collaboration with other participants, working on interesting real-life small projects.

Lectures are prepared very well, learn new things in peer pressure, working with a group of talent guys from different places and different backgrounds.

The workshop brings together a lot of people from different expertise areas and programming levels and lets them all learn together. It felt very cohesive and well put together. I made connections and have already begun collaborations using the technology learned at this workshop. I would highly recommend this workshop.

It was well organized and taught, it helped a lot with my own research and I made some connections that I valued a lot.

I liked the hands on philosophy of the workshop. Every lesson was well explained and demonstrated with real examples that ran on your laptop so you could immediately see the results. I also had the feeling that learning the tools could help me speed up my day to day analyses, increasing the number of projects I could be doing at once - because what seemed a week's work could be done in one day, as it was proven by the incredible things that could be achieved during the one-day hackathon.

All lectures, excellent environment for studying, working, and networking, the party near the shore.

I liked the format and content of the lessons and accompanying exercises. I felt like these new tools were presented well from the basics to more complicated tasks.

Learning new skills, making connections, contributing to developing new tools

It was in a very nice manner focused on practice and how to elaborate your own research by real world examples rather than hypothetical made up stories.

perfect preparation, step-by-step guidance, use of state-of-the-art technologies

The teaching material was of a high standard, the examples and problems posed were all relevant and helpful.

Peter is amazingly sharp in science and attentive to details

Everything run in Jupyter Notebooks, organization, tour of SDSC, breadth of research experience of attendees

I learned a lot about the pdb and about the databases that are available to us, along what a lot of other people are using those databases for.

Peter and his team did a great job at organising the workshop. Especially the well-prepared notebook really helped to cover a lot of material in a short amount of time.

I was very happy with the way the materials were presented in Jupyter notebooks, because it has made the content much more accessible, and enabled me to go back and refresh my knowledge on multiple occasions.

The base that it provides for one to build upon

All of the different examples that we got to work through and play around with

Well organized event

A lot of new methods and ideas

The innovative tools and approaches and comfortable learning setting. Great topic in great location with great people.

It teaches me the pipeline of MMTF

How could the workshop & hackathon be improved?

20 responses

two days hackathon instead of one

NA

I think this is already being handled or worked on, but I think having people install things before they get there would save a lot of time. Also, having a test project so they know everything is installed correctly beforehand and can email with problems prior to the start. This was an extremely minor thing though, overall nothing comes to mind to improve the workshop.

Maybe a litter longer.

I felt like the hackathon part of the workshop was a bit short. I mean that if it had been a bit longer some of the projects could have been more mature - most of them were looking good but unfinished. I understand the time is limited, but something that could help would be to propose project ideas on the first day, so that the solution can be created step by step during the whole workshop applying one by one the concepts described, with a final day of full hackathon. Another idea would be an initial round of advice for each project on whether the project is suitable or too ambitious given the tools described.

A brief instruction on setting up a computer for various OS platforms in advance to the workshop. That would save some time.

A little time each day could be given to the hackathon before the final day. This would inspire more questions from the attendees earlier on in the workshop, and it would add extra reinforcement of what is being taught.

Attendees seemed to have very disparate levels of programming proficiency, it would be nice if there could be two workshops in the future, one targeted toward beginners and the other developers.

The hackathon aspect came a bit short, so the workshop may have been a day or two longer, since skipping on learning the technology is unrealistic. After the teaching lessons some teams had already formed and neat projects were developed without enough time for prototyping in the end.

if possible, extend it for one more day to give a more comprehensive summary and Q&A

The actual Hackathon hours could be longer

Ability to start hackathon projects earlier, such as on the first or second day, as well as having the option to start on the third day

one more day dedicated to only hackathon!

Find a better way to form teams in the hackathon. At least one team was much too large.

There was a lot of material to cover during the hackathon, so there were many topics that we did not cover in much depth. I wish there was improvement in the documentation, continued communication about new features and project updates.

By giving more time for every presentation/topic

N/A

Provide a containerized environment to avoid having to install tools

The hackathon part was needing more guidance to be efficient

The hackathon may be longer for learning more about the topic.